

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

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Report No. 415 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 7/1/08 to 8/1/08:

- **WE2XSR THE BOEING COMPANY 0122-EX-PL-2008**
New experimental to operate in various bands between 0.005 kHz and 10 MHz for Aircraft Lightning Protection testing.
Fixed: Seattle (King), WA
- **WE2XPG AAR MOBILITY SYSTEMS 0547-EX-PL-2007**
New experimental to operate in 9.90-151.00 kHz, 14.90-406.00 MHz and 0.90-11.70 GHz for testing performance of shielding of military EMI shielded shelters and components for use in these shelters.
Mobile: Cadillac, MI
- **WE2XSX LOCKHEED MARTIN CORPORATION 0264-EX-PL-2008**
New experimental to operate on 2200 kHz, 3191 kHz, 4040 kHz, 6100 kHz, 8015 kHz, 10707 kHz, 15343 kHz, 19049 kHz, 23375 kHz and 29933 kHz for antenna testing for submarine platforms.
Fixed: Marion (Plymouth), MA
- **WE2XRH DIGITAL AURORA RADIO TECHNOLOGIES 0187-EX-PL-2008**
New experimental to test digital transmissions in 4.50-5.10 MHz, 7.10-7.60 MHz and 9.25-9.95 MHz for a terrestrial digital radio service to the citizens of Alaska.
Fixed: Delta Junction (Southeast Fairbanks), AK
- **WE2XPV BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0512-EX-PL-2007**
New experimental to operate in 30-34.81 MHz and 34.85-52 MHz for testing various Combat ID sensors.
Mobile: Temporary Fixed Locations, Greenlawn, NY
- **WE2XPU BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0395-EX-PL-2007**
New experimental to operate on 153.98 MHz for testing the First Intercomm system which is designed to provide interoperability for public safety.
Mobile: Hudson, NH
- **WE2XQE THE BOEING COMPANY 0010-EX-PL-2008**
New experimental to operate on 219 MHz, 902 MHz and 2.4 GHz for UAV testing.
Mobile: Fort Leonard Wood (Pulaski), MO
- **WE2XQA THE BOEING COMPANY 0125-EX-PL-2008**
New experimental to operate in 420-450 MHz, 2400-2483.5 MHz and 4940-4990 MHz for testing of a ground communication system.
Mobile: Fort Benning, Columbus, GA

- **WE2XQV THE BOEING COMPANY 0165-EX-PL-2008**
 New experimental to operate in 420-450 MHz, 2400-2483.5 MHz and 4940-4990 MHz for testing of a ground communication system.
 Mobile: Lums Pond State Park, Bear, DE
- **WE2XOV OAKLAND UNIVERSITY 0133-EX-PL-2007**
 New experimental to operate on 824-849 MHz, 869-894 MHz, 890-960 MHz, 1850-1910 MHz, 1930-1990 MHz and 2320-2345 MHz for automobile antenna testing and measurements.
 Fixed: Rochester (Oakland), MI
- **WE2XQG BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0300-EX-PL-2007**
 New experimental to operate in 890-915 MHz, 935-960 MHz, 1710-1785 MHz and 1805-1880 MHz using a Test Bed and a Public Land Mobile Network manufactured by NOKIA to support BAE Systems' projects within the Information Operations Initiative.
 Mobile: Merrimack, NH (Temporary fixed locations), within .3 km centered point
- **WE2XRG TRELISWARE TECHNOLOGIES, INC 0195-EX-PL-2008**
 New experimental to operate in 900-930 MHz, and on 1765 MHz, 1785 MHz and 1785 MHz for sending and receiving voice communications, data, and streaming video in a combat environment.
 Fixed & Mobile: Rancho Bernardo (San Diego), CA
- **WE2XQW RAYTHEON COMPANY 0159-EX-PL-2008**
 New experimental to operate in 909.75-921.75 MHz to test and evaluate the Automated Vehicle Identification, Intelligent Transportation System, as a component of electronic toll collection.
 Fixed: Pomona, CA
- **WE2XPD MOBILE SATELLITE VENTURES SUBSIDIARY LLC 0090-EX-PL-2008**
 New experimental to operate on 1554.25 MHz, 1654.37 MHz and 1657.87 MHz for test and demonstration of WiMAX ATC for public safety video and data access.
 Mobile: Reston Town Center, Reston, VA
- **WE2XSI LXE, INC. 0214-EX-PL-2008**
 New experimental to operate on 1575.42 MHz to test a GPS re-radiator.
 Fixed: Norcross (Gwinnett), GA
- **WE2XSH INTERCITY TRANSIT 0216-EX-PL-2008**
 New experimental to operate on 1575.42 MHz to test a GPS re-radiator.
 Fixed: Olympia (Thurston), WA
- **WE2XTA COMTECH MOBILE DATACOM CORP. 0081-EX-PL-2008**
 New experimental to operate in the 1600 MHz band for equipment demonstrations.
 Mobile: Fort Hood (Bell), TX; Aldie (Loudoun), VA; Salt Lake City (Salt Lake), UT; Germantown (Montgomery), MD; Minneapolis (Hennepin), MN; Oswego (Oswego), NY; Baltimore (Baltimore), MD; Ft. Monmouth (Monmouth), NJ
- **WE2XOZ NORTHROP GRUMMAN SYSTEMS CORPORATION 0085-EX-PL-2008**
 New experimental to operate on 1760 MHz and 2305 MHz for testing and demonstrating Enerdyne Enerlinks II datalink for the military.
 Fixed & Mobile: Pueblo (Pueblo), CO; Centennial Airport (Arapahoe), CO; Melbourne (Brevard), FL
- **WE2XPR RAYTHEON COMPANY 0089-EX-PL-2008**
 New experimental to operate in 1792.50-1797.50 MHz for testing broadband technologies.
 Fixed & Mobile: Boston (Suffolk), MA
- **WE2XQS SPECTRUM BRIDGE, INC 0133-EX-PL-2008**
 New experimental to operate in 2305-2320 MHz, 2345-2360 MHz, 2495-2690 MHz and 3650-3700 MHz for testing WiMax equipment for development of wireless broadband technologies.
 Fixed & Mobile: Lake Mary and Sanford (Seminole), FL

- **WE2XSS SIRIUS SATELLITE RADIO INC. 0139-EX-PL-2008**
 New experimental to operate in 2305-2320 MHz and 2345-2360 MHz for satellite testing.
 Fixed & Mobile: Lawrenceville, NJ
- **WE2XRE REVERB NETWORKS 0189-EX-PL-2008**
 New experimental to operate in 3300-3800 MHz to test and integrate a commercial beamforming antenna.
 Fixed: Ashburn and Leesburg (Loudoun), VA
- **WE2XRF NEXTWAVE WIRELESS INC. 0173-EX-PL-2008**
 New experimental to operate in 3410-3450 MHz for testing WiMAX equipment for export.
 Mobile: San Diego, CA
- **WE2XRW STEVEN PUCKETT 0201-EX-PL-2008**
 New experimental to operate in 3500-3510 MHz and 3560-3570 MHz for testing WiMAX equipment for export.
 Mobile: 25 mile radius around Birmingham, AL
- **WE2XRU ORBITAL SCIENCES CORPORATION 0200-EX-PL-2008**
 New experimental to operate in 3626-3700 MHz and 5851-5925 MHz for test and development of satellite systems.
 Fixed: Dulles (Loudoun), VA
- **WE2XTD THE BOEING COMPANY 0409-EX-PL-2007**
 New experimental to operate in the 8 GHz band for equipment testing.
 Mobile: Huntsville-Madison County Jetport, AL
- **WE2XOY NORTHROP GRUMMAN SYSTEMS CORPORATION 0083-EX-PL-2008**
 New experimental to operate on 9.4 GHz for testing a ground movement target indicator that utilizes an active electronically scanned array.
 Fixed: Norwalk (Fairfield), CT
- **WE2XTB BAE SYSTEMS TECHNICAL SERVICES, INC. 0253-EX-PL-2008**
 New experimental to operate in 10.00-10.50 GHz for testing CW Doppler Radar for tracking ballistic projectiles.
 Mobile: Temporary Fixed Operation, Fort Walton Beach, FL
- **WE2XSF ORBITAL SCIENCES CORPORATION 0226-EX-PL-2008**
 New experimental to operate in 10.7-12.75 GHz and 12.75-13.25 GHz for verification of spacecraft command, control and telemetry sub-system and audio-video communications payload.
 Fixed: Dulles (Loudoun), VA
- **WE2XSE ORBITAL SCIENCES CORPORATION 0227-EX-PL-2008**
 New experimental to operate in 13.75-14.8 GHz, 17.3-21.2 GHz, 24.75-25.25 GHz and 27-31 GHz for test and development of satellite systems.
 Fixed: Dulles (Loudoun), VA
- **WE2XSM THE BOEING COMPANY 0573-EX-PL-2007**
 New experimental to operate in the 14 GHz band for equipment testing.
 Mobile: Within 248 kilometers of Naval Air Station, North Island
- **WE2XOX NORTHROP GRUMMAN SYSTEMS CORPORATION 0082-EX-PL-2008**
 New experimental to operate on 16.7 GHz for testing a UAV radar and airborne transmitters.
 Mobile: Georgetown (Sussex), DE, airborne, maximum altitude 3500 meters AMSL
- **WE2XSU RAYTHEON MISSILE SYSTEMS 0233-EX-PL-2008**
 New experimental to operate in 33.5-36 GHz for Ka band radar testing.
 Mobile: Continental United States, AK and HI
- **WE2XRC BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0116-EX-PL-2007**
 New experimental to operate in 33.9-34.7 GHz for testing a radar system
 Mobile: Fort Worth, TX; Wharton, NJ; Wayne, NJ; Los Angeles, CA